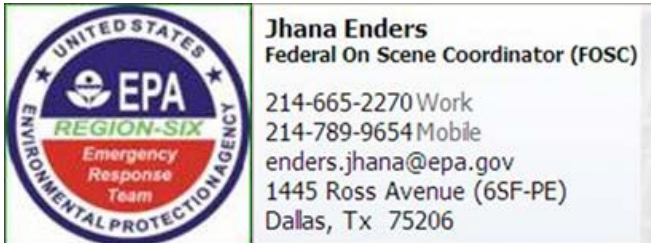


**From:** [Enders, Jhana](#)  
**To:** [Turner, Philip](#)  
**Subject:** FW: Follow up material - please review if you will attend meeting tomorrow - Internal discussion about DQO  
**Date:** Friday, February 17, 2017 10:37:27 AM  
**Attachments:** [image009.png](#)  
[image011.png](#)

---

Trying to keep you in the loop here so you can summarize all their comments for me and provide your recommendations...

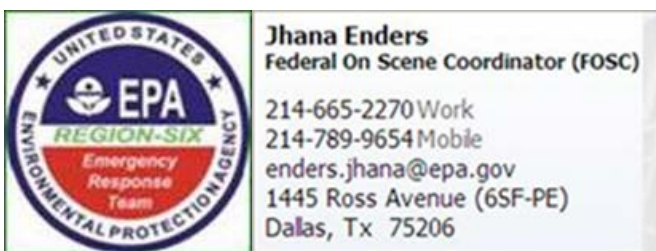


**From:** Lynch, Kira  
**Sent:** Friday, February 17, 2017 9:47 AM  
**To:** Enders, Jhana ; McKernan, John ; Burton, Terry  
**Subject:** RE: Follow up material - please review if you will attend meeting tomorrow - Internal discussion about DQO  
You have to consider where you are measuring and whether that is representative to compare directly against the residential screening level most the time this answer is no. Further the reality is that phosphine is not stable in ambient air and the likelihood that you will have an issue is very very low unless you have a significant source like the ponds we have at FMC. We have been using air modeling to determine what is a realistic action level at the measurement point that would be protective of potential receptors downwind.

Kira Lynch  
Superfund Technology Liaison (STL) - Region 10  
ORD - Office of Science and Policy  
1200 Sixth Avenue, Suite 900  
Office of Environmental Cleanup (ECL)  
Seattle WA 98101  
phone: 206-553-2144  
cell: 206-850-4323

---

**From:** Enders, Jhana  
**Sent:** Friday, February 17, 2017 7:05 AM  
**To:** Lynch, Kira <[lynch.kira@epa.gov](mailto:lynch.kira@epa.gov)>; McKernan, John <[McKernan.John@epa.gov](mailto:McKernan.John@epa.gov)>; Burton, Terry <[Burton.Terry@epa.gov](mailto:Burton.Terry@epa.gov)>  
**Subject:** RE: Follow up material - please review if you will attend meeting tomorrow - Internal discussion about DQO  
Again, the issue is we are trying to meet the Residential screening level of 0.0002 ppm



**From:** Lynch, Kira

**Sent:** Thursday, February 16, 2017 5:15 PM

**To:** McKernan, John <[McKernan.John@epa.gov](mailto:McKernan.John@epa.gov)>; Burton, Terry <[Burton.Terry@epa.gov](mailto:Burton.Terry@epa.gov)>; Enders, Jhana <[Enders.Jhana@epa.gov](mailto:Enders.Jhana@epa.gov)>

**Subject:** FW: Follow up material - please review if you will attend meeting tomorrow - Internal discussion about DQO

The attached has a table with all of the different action levels for phosphine that may be of interest to you.

Kira Lynch

Superfund Technology Liaison (STL) - Region 10

ORD - Office of Science and Policy

1200 Sixth Avenue, Suite 900

Office of Environmental Cleanup (ECL)

Seattle WA 98101

phone: 206-553-2144

cell: 206-850-4323

---

**From:** Valdez, Heather

**Sent:** Thursday, October 20, 2016 12:06 PM

**To:** Bartus, Dave <[Bartus.Dave@epa.gov](mailto:Bartus.Dave@epa.gov)>; Lynch, Kira <[lynch.kira@epa.gov](mailto:lynch.kira@epa.gov)>; Wroble, Julie <[Wroble.Julie@epa.gov](mailto:Wroble.Julie@epa.gov)>; Hedgpeth, Zach <[Hedgpeth.Zach@epa.gov](mailto:Hedgpeth.Zach@epa.gov)>; Palumbo, Janice <[Palumbo.Jan@epa.gov](mailto:Palumbo.Jan@epa.gov)>; David A. Weeks <[daweeks@rmeltd.com](mailto:daweeks@rmeltd.com)>; [brian.english@deq.idaho.gov](mailto:brian.english@deq.idaho.gov); Horn, Bevin <[Horn.Bevin@epa.gov](mailto:Horn.Bevin@epa.gov)>; Weigel, Greg <[Weigel.Greg@epa.gov](mailto:Weigel.Greg@epa.gov)>; Williams, Jonathan <[Williams.Jonathan@epa.gov](mailto:Williams.Jonathan@epa.gov)>; Mcloughlin, Sharon [USA] <[mcloughlin\\_sharon@bah.com](mailto:mcloughlin_sharon@bah.com)>; McAlpine, Jay <[McAlpine.Jay@epa.gov](mailto:McAlpine.Jay@epa.gov)>; McArthur, Lisa <[McArthur.Lisa@epa.gov](mailto:McArthur.Lisa@epa.gov)>; McAlpine, Jay <[McAlpine.Jay@epa.gov](mailto:McAlpine.Jay@epa.gov)>

**Cc:** Zavala, Bernie <[Zavala.Bernie@epa.gov](mailto:Zavala.Bernie@epa.gov)>; Boyd, Andrew <[Boyd.Andrew@epa.gov](mailto:Boyd.Andrew@epa.gov)>; Stifelman, Marc <[Stifelman.Marc@epa.gov](mailto:Stifelman.Marc@epa.gov)>; Sheldrake, Beth <[sheldrake.beth@epa.gov](mailto:sheldrake.beth@epa.gov)>

**Subject:** Follow up material - please review if you will attend meeting tomorrow - Internal discussion about DQO

Hi, Thank you for your participation last week.

I have an updated DQO table that I would like to request your feedback on, to try and capture where I thought I heard agreement.

As follow up, I will also update you that I have two additional meetings scheduled.

Tomorrow, I will talk with Zach, J.D., David W, Dave B, Jan, Brian to start to dig into the details of next steps to define the control and monitoring requirements. Please review the attachment before we talk if possible.

Also on the 31<sup>st</sup> I have a meeting scheduled to discuss with the CERCLA program the risk levels RSL and PELs and how and where which levels are

appropriate. People invited to that include Julie Wroble, Marc Stifelman, Andrew Boyd, Lisa McArthur, Beth Sheldrake, Jonathan Williams, Kira Lynch, and Janice Palumbo.  
Thanks

---

Heather Valdez  
Chemical Engineer, Project Manager  
RCRA Corrective Actions, Permits and PCBs Unit  
EPA Region 10  
1200 6th Ave, Suite 900, AWT-150, Seattle WA, 98101  
(206) 553-6220  
[valdez.heather@epa.gov](mailto:valdez.heather@epa.gov)

